SLD FOR 66/6.6KV SWITCHYARD
AT TAVARAKERE PUMP HOUSE PREMISES

SKETCH-2

INCOMER FROM
66kV KPTCL
OVERHEAD LINE

KPTCL/BESCOM'S SCOPE

BWSSB'S SCOPE

66kV SWITCHYARD
LOC. NEAR TAVARAKERE PUMP HOUSE PREMISES

LIGHTNING ARRESTOR
60kV, 10kA

LA

ISOLATOR WITH ES
66kV CLASS
1250A, 31.5kA

P1

CORE-1

CORE-2

CORE-3

P2

LINE CT
66kV CLASS
400-200/1-1-1A

SPARE

CB
66kV 1250A
31.5kA

ISOLATOR W/O ES
66kV CLASS
1250A, 31.5kA

66kV, 3Ph, 50Hz, MAIN BUS, 31.5kA FOR 1sec

ISOLATOR W/O ES
66kV CLASS
1250A, 31.5kA

TRAFO SIDE CT
66kV CLASS
200-100/1-1-1A

CB
66kV 1250A
31.5kA

ISOLATOR W/O ES
66kV CLASS
1250A, 31.5kA

LIGHTNING ARRESTOR
60kV, 10kA

MAIN TRANSFORMER #1
66/6.6kV, 5 MVA, Dyn11
Z=**%
ONAN WITH OLTC

P2

P1

6.6kV
AL. XLPE, UNARMD. CABLE

NGR

6.6kV (E), XLPE,
AL. ARMOURED CABLE

VCB
6.6kV 1250A

ISOLATOR W/O ES
66kV CLASS
1250A, 31.5kA

PT
66kV/SQRT(3)/110V/SQRT(3)
110V/SQRT(3) -110V/SQRT(3)

TO METERING &
PROTECTION

MAIN TRANSFORMER #2
66/6.6kV, 5 MVA, Dyn11
Z=**%
ONAN WITH OLTC

VCB
6.6kV 1250A

TO 6.6kV SWITCHBOARD IN PUMP HOUSE ROOM

J-E

E.E.(K&O&M)-3
BWSSB, T.G.Halli

DO NOT SCALE FOR FEASIBILITY PURPOSE ONLY

BANGALORE WATER SUPPLY AND SEWERAGE BOARD (BWSSB)

SLD FOR 66/6.6kV SWITCHYARD
AT TAVARAKERE PUMP HOUSE PREMISES

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

FOR RO ISSUE ONLY			ISSUE	REVISIONS	DRN	CLEARED			APPD	DATE
CLEARED						CIVIL	ELEC	I&C MECH		
DISC	SIGNATURE	DATE	P1	REVISED AS PER BWSSB OBSERVATION						21-02-11
CIVIL										
ELEC										
I&C										
MECH										

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FILE NAME : Sketch-1 (2).Tavarekere.dwg

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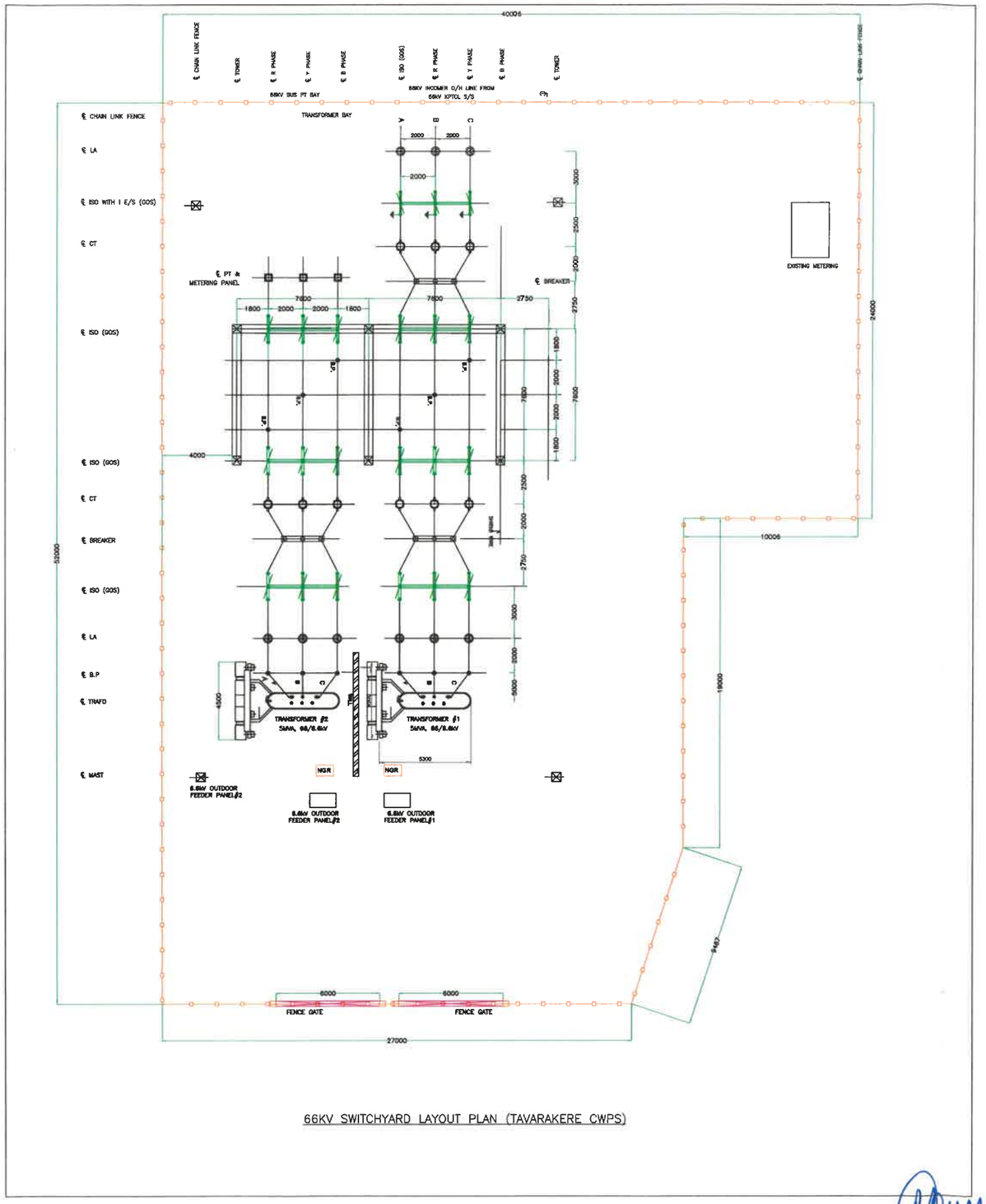
DATE (RO ISSUE)	
DLL CENTRE-DISC BLR-EL	
DATE (CURRENT ISSUE) 04.10.2021	
DRN: DGK	
CHD: GVKM	
DWG NO: SKETCH-2	ISSUE P0

TCE FORM NO 2ND R5

TITLE	GA LAYOUT FOR 66/6.6KV SWITCHYARD AT TAVARAKERE PUMP HOUSE PREMISES
DWG NO	SKETCH-2



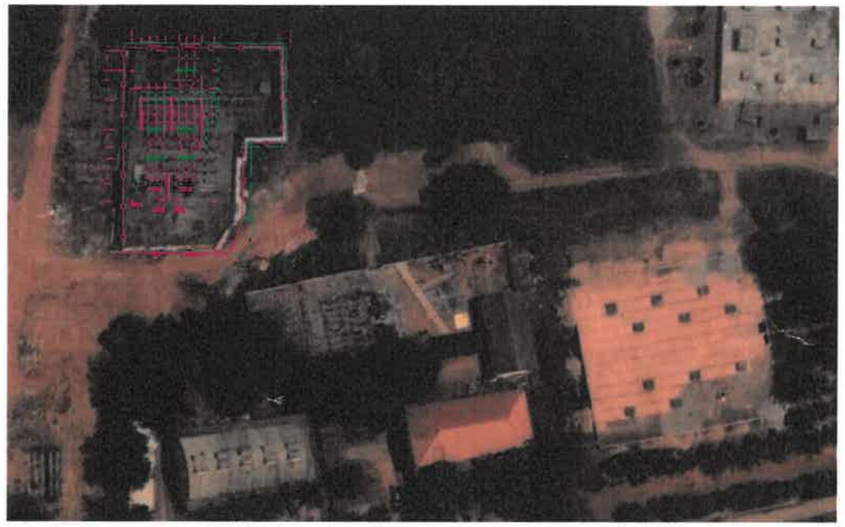
66KV SWITCHYARD LAYOUT PLAN (TAVARAKERE CWPS)

LEGEND & BILL OF QUANTITY:-

66KV SIDE EQUIPMENTS DETAILS

SYMBOLS	DESCRIPTION	QTY.
	LIGHTNING ARRESTER	09 Nos.
	GANG OPERATED ISOLATOR WITH ONE EARTH SWITCH	01 Sets.
	GANG OPERATED ISOLATOR W/O EARTH SWITCH	06 Sets.
	CURRENT TRANSFORMER	09 Nos.
	POTENTIAL TRANSFORMER	03 Nos.
	SF6 CIRCUIT BREAKER	03 Set.
BPI	BUS POST INSULATOR	06 Nos.
	5MVA, 66/6.6kV, Dyn11, ONAN POWER TRANSFORMER	02 Nos.
NGR	NGR	02 Nos.

LEGEND & BILL OF QUANTITY:-



DO NOT SCALE | FOR FEASIBILITY PURPOSE

BANGALORE WATER SUPPLY AND SEWERAGE BOARD (BWSSB)

GA LAYOUT FOR 66/6.6kV SWITCHYARD AT TAVARAKERE PUMP HOUSE PREMISES

TATA CONSULTING ENGINEERS LIMITED MUMBAI

E.E.(K-O&M)-3
BWSSB, T.G.Halli

FOR RO ISSUE ONLY			ISSUE	REVISIONS	DRN	CLEARED	APPD	DATE
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DISC.	SIGNATURE	DATE						
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